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IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

Select Article Information

1. **A novel simulation method for oxynitridation and re-oxidation**
Kusunoki, N.; Shimizu, T.; Hazama, H.; Aoki, N.;
Simulation of Semiconductor Processes and Devices, 2000. SISPAD 2000. 2000 Interr
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6-8 Sept. 2000 Page(s):139 - 142
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2. **ePro: a system for supporting collaboration that enhances interactions**
Sugimoto, M.; Kusunoki, F.; Hashizume, H.;
Systems, Man, and Cybernetics, 2000 IEEE International Conference on
Volume 2, 8-11 Oct. 2000 Page(s):745 - 750 vol.2
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3. **Computer simulations of dynamics of vortex lines in superconducting flux flow t**
Andoh, H.; Kusunoki, M.; Fujimaki, A.; Hayakawa, H.;
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Volume 5, Issue 2, Jun 1995 Page(s):3377 - 3380
AbstractPlus | Full Text: PDF(308 KB) IEEE JNL

4. **Emission current enhancement of MIM cathodes by optimizing the tunneling insu**
Kusunoki, T.; Sagawa, M.; Suzuki, M.; Ishizaka, A.; Tsuji, K.;
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Volume 49, Issue 6, June 2002 Page(s):1059 - 1065
AbstractPlus | References | Full Text: PDF(302 KB) IEEE JNL

5. **Successful achievement in a variable speed pumped storage power system at Ya plant**
Furuya, S.; Taguchi, T.; Kusunoki, K.; Yanagisawa, T.; Kageyama, T.; Kanai, T.;
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19-21 April 1993 Page(s):603 - 608
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6. **Topography and Schottky contact models applied to NISI SALICIDE process [MO applications]**
Kusunoki, N.; Ohuchi, K.; Hokazono, A.; Aoki, N.; Tanimoto, H.; Matsuzawa, K.;
Simulation of Semiconductor Processes and Devices, 2003. SISPAD 2003. Internation
3-5 Sept. 2003 Page(s):59 - 62

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Inaba, T.; Kusunoki, S.; Endo, Y.;
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Volume 4, 6-10 Oct. 1996 Page(s):2169 - 2172 vol.4
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8. **A design concept for the low turn-off loss 4.5 kV trench IGBT**
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9. **A parallel reinforcement computing model for function optimization problems**
Qian, F.; Ikebou, S.; Kusunoki, T.; Wu, J.; Hirata, H.;
Systems, Man, and Cybernetics, 2000 IEEE International Conference on
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10. **Miniaturized cooling systems for HTS antennas**
Ehata, K.; Sato, K.; Kusunoki, M.; Mukaida, M.; Ohshima, S.; Suzuki, Y.; Kanao, K.;
Applied Superconductivity, IEEE Transactions on
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11. **Peak shift characteristics for barium ferrite flexible disk drive**
Kusunoki, M.; Ohashi, H.; Fujiki, M.; Ito, Y.;
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Electron Devices Meeting, 1991. Technical Digest., International
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AbstractPlus | Full Text: PDF(280 KB) IEEE CNF

13. **Time-domain inverse scattering of a chiral slab**
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Microwave Conference, 1999 Asia Pacific
Volume 2, 30 Nov.-3 Dec. 1999 Page(s):554 - 557 vol.2
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Nakayama, M.; Sakakibara, H.; Kusunoki, M.; Kurita, K.; Yokoyama, Y.; Miyaoka, S.; K N.; Kobayashi, T.; Kume, M.; Sawamoto, H.; Kawata, A.; Tanaka, H.; Takada, Y.; Yam Yagyu, M.; Tsuchiya, Y.; Yoshida, H.; Kitamura, N.; Yamaguchi, K.;
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7-9 Feb. 2000 Page(s):398 - 399, 472-3
AbstractPlus | Full Text: PDF(363 KB) IEEE CNF

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Simulation of Semiconductor Processes and Devices, 2003. SISPAD 2003. Internation
3-5 Sept. 2003 Page(s):59 - 62
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1. **Rigorous three-dimensional photoresist exposure and development simulation o topography**
Kirchauer, H.; Selberherr, S.;
Computer-Aided Design of Integrated Circuits and Systems, IEEE Transactions on Volume 16, Issue 12, Dec. 1997 Page(s):1431 - 1438
AbstractPlus | References | Full Text: PDF(300 KB) IEEE JNL

2. **A multistage smoothing algorithm for coupling cellular and polygonal datastruct**
Hossinger, A.; Cervenka, J.; Selberherr, S.;
Simulation of Semiconductor Processes and Devices, 2003. SISPAD 2003. Internation 3-5 Sept. 2003 Page(s):259 - 262
AbstractPlus | Full Text: PDF(1054 KB) IEEE CNF

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Accession number & update
5152303, A9603-6855-103, B9602-0520-008; 960115.

Title
Thin film microstructure modelling through line-segment **simulation.**

Author(s)
Friedrich-L-J; Dew-S-K; Brett-M; Smy-T.

Author affiliation
Dept of Electr Eng, Alberta Univ, Edmonton, Alta, Canada.

Source
Thin-Solid-Films (Switzerland), vol.266, no.1, p.83-8, 15 Sept. 1995. , Published: Elsevier.

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EN.

Publication type
J Journal Paper.

Treatment codes
T Theoretical or Mathematical.

Abstract
Ultra large scale integration (ULSI) technologies require uniform metallization layers over extreme topographies of submicron dimensions. On this scale, the fundamental properties of **thin** films and the processes during growth are increasingly important considerations. This paper introduces a new **thin film** growth model called GROFILMS (grain orientated **film** microstructure simulator). By using a line segment algorithm and by the incorporation of interfacial and surface energy calculations, GROFILMS can depict both the surface and microstructure of a **film** deposited over ULSI **topography.** GROFILMS is capable of simulating many of the fundamental processes involved with **thin film** growth, such as nucleation, substrate wetting, grain **boundary** grooving, columnar growth and crystal facetting. This paper will describe the model and demonstrate the ability of GROFILMS to simulate **film** growth and

produce microstructural and surface information about the **film.** (17 refs).

Descriptors

aluminium; crystal-faces; electronic-engineering-computing; grain-boundaries; interface-phenomena; metallic-thin-films; metallisation; nucleation; semiconductor-process-modelling; surface-tension; surface- topography; texture; ULSI; vapour-deposited-coatings; wetting.

Keywords

aluminium metallisation; physical vapour deposition; surface diffusion; metallization; **thin film** microstructure modelling; line segment **simulation;** ultra large scale integration; GROFILMS code; surface energy calculations; ULSI **topography; thin film** growth model; nucleation; substrate wetting; grain **boundary** grooving; columnar growth; crystal facetting; Al.

Classification codes

A6855	(**Thin film** growth, structure, and epitaxy).
A0260	(Numerical approximation and analysis).
A6170N	(Grain and twin boundaries).
A6848	(Solid-solid interfaces).
A6460Q	(Nucleation in phase transitions).
B0520	(**Thin film** growth).
B2550F	(Metallisation and interconnection technology).

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1 Wildfire visualization (case study)

James Ahrens, Patrick McCormick, James Bossert, Jon Reisner, Judith Winterkamp

October 1997 **Proceedings of the 8th conference on Visualization '97**

Full text available: pdf(595.43 KB) Publisher Site

Additional Information: full citation, references, citings, index terms

2 Comprehensive frequency-dependent substrate noise analysis using boundary element methods

Hongmei Li, Jorge Carballido, Harry H. Yu, Vladimir I. Okhmatovski, Elyse Rosenbaum, Andreas C. Cangellaris

November 2002 **Proceedings of the 2002 IEEE/ACM international conference on Computer-aided design**

Full text available: pdf(977.52 KB)

Additional Information: full citation, abstract, references, citings, index terms

We present a comprehensive methodology for the electrodynamic modeling of substrate noise coupling. A new and efficient method is introduced for the calculation of the Green's function that can accommodate arbitrary substrate doping profiles and thus facilitate substrate noise analysis using boundary element methods. In addition to a discussion of the application of the method and its validation in the context of substrate transfer resistance extraction, preliminary results from its application ...

3 Simulation and implementation issues: Towards realistic mobility models for mobile ad hoc networks

Amit Jardosh, Elizabeth M. Belding-Royer, Kevin C. Almeroth, Subhash Suri

September 2003 **Proceedings of the 9th annual international conference on Mobile computing and networking**

Full text available: pdf(224.51 KB)

Additional Information: full citation, abstract, references, citings, index terms

One of the most important methods for evaluating the characteristics of ad hoc networking protocols is through the use of simulation. Simulation provides researchers with a number of significant benefits, including repeatable scenarios, isolation of parameters, and exploration of a variety of metrics. The topology and movement of the nodes in the simulation are key factors in the performance of the network protocol under study. Once the nodes have been initially distributed, the mobility model d ...

Keywords: ad hoc networks, mobility models, simulations

4 Tidally-generated residual motion in the St. Lawrence estuary
T. S. Murty, M. I. El-Sabh
January 1980 **Proceedings of the 13th annual symposium on Simulation**

Full text available: pdf(949.16 KB) Additional Information: full citation, abstract, references, index terms

It was shown that in any water body periodic astronomical tides can generate residual motion, through interaction with the topography of the water body. Such a tidally-generated residual circulation is quite important in computing surface drift. This problem is examined here for the St. Lawrence estuary in eastern Canada, through a numerical model and comparison is made with observations.

5 Architecture-adaptable finite element modelling: a case study using ocean circulation simulation
Santosh Kumaran, Michael J. Quinn, Robert N. Miller
December 1995 **Proceedings of the 1995 ACM/IEEE conference on Supercomputing (CDROM) - Volume 00**

Full text available: pdf(477.58 KB) html(2.82 KB) Additional Information: full citation, abstract, references, index terms
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We describe an architecture-adaptable methodology for the parallel implementation of finite element numerical models of physical systems. We use a model of time-dependent ocean currents as our working example. The heart of the computation is the solution of a banded linear system, and we describe an algorithm based on the domain decompositionmethod to solve the banded system. The algorithm is represented in a divide-and-conquer framework facilitates easy implementation of various algorithmic opt ...

6 Advanced Computational Fluid Dynamics Simulations of Projectiles with Flow Control
Jubaraj Sahu, Karen R. Heavey
November 2004 **Proceedings of the 2004 ACM/IEEE conference on Supercomputing**

Full text available: pdf(12.73 MB) Additional Information: full citation, abstract

This paper describes a computational study undertaken as part of a grand challenge project to determine the aerodynamic effect of flow control in the afterbody regions at subsonic and supersonic speeds using an advanced scalable unstructured flow solver. High parallel efficiency is achieved for both steady and time-accurate unsteady flow field simulations using advanced scalable Navier-Stokes computational techniques on SGI Origin 3000, IBM SP3 and Linux Cluster. Numerical simulations with the u ...

7 The application of scene synthesis techniques to the display of multidimensional image data
Philip K. Robertson, John F. O'Callaghan
October 1985 **ACM Transactions on Graphics (TOG)**, Volume 4 Issue 4

Full text available: pdf(4.42 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Superimposition of two image data sets allows the spatial distribution of one to be directly related to that of the other. If the two data sets have different spatial structures, the composite image is generally confusing and difficult to interpret. A method of representing image data sets in the form of naturally occurring variables in a realistic apparently three-dimensional scene is presented. One data set is represented by the topography of a surface, depicted by shaded-relief methods, ...

8 Technical reports
SIGACT News Staff
January 1980 **ACM SIGACT News**, Volume 12 Issue 1
Full text available: pdf(5.28 MB) Additional Information: full citation

9 Terrain simulation using a model of stream erosion
Alex D. Kelley, Michael C. Malin, Gregory M. Nielson
June 1988 **ACM SIGGRAPH Computer Graphics , Proceedings of the 15th annual conference on Computer graphics and interactive techniques**, Volume 22 Issue 4
Full text available: pdf(1.38 MB) Additional Information: full citation, abstract, references, citings, index terms

The major process affecting the configuration and evolution of terrain is erosion by flowing water. Landscapes thus reflect the branching patterns of river and stream networks. The network patterns contain information that is characteristic of the landscape's topographic features. It is therefore possible to create an approximation to natural terrain by simulating the erosion of stream networks on an initially uneroded surface. Empirical models of stream erosion were used as a basis for the mode ...

Keywords: database amplification, drainage network simulation, erosion models, structural models, surfaces under tension

10 Multi-resolution visualization techniques for nested weather models
Lloyd A. Treinish
October 2000 **Proceedings of the conference on Visualization '00**
Full text available: pdf(1.73 MB) Additional Information: full citation, citings, index terms

Keywords: flow visualization, meteorology, multi-resolution, visualization design, weather forecasting

11 FOAM: expanding the horizons of climate modeling
Michael Tobis, Chad Schafer, Ian Foster, Robert Jacob, John Anderson
November 1997 **Proceedings of the 1997 ACM/IEEE conference on Supercomputing (CDROM)**
Full text available: pdf(119.71 KB) Additional Information: full citation, abstract, references

We report here on a project that expands the applicability of dynamic climate modeling to very long time scales. The Fast Ocean_Atmosphere Model (FOAM) is a coupled ocean-atmosphere model that incorporates physics of interest in understanding decade to century time scale variability. It addresses the high computational cost of this endeavor with a combination of improved ocean model formulation, low atmosphere resolution, and efficient coupling. It also uses message-passing parallel processing t ...

Keywords: climate, distributed memory, hydrology, massively parallel, message passing, meteorology, oceanography, scientific supercomputing

12 FoleyAutomatic: physically-based sound effects for interactive simulation and animation

Kees van den Doel, Paul G. Kry, Dinesh K. Pai
August 2001 **Proceedings of the 28th annual conference on Computer graphics and interactive techniques**

Full text available: pdf(1.16 MB) Additional Information: full citation, abstract, references, citings, index terms

We describe algorithms for real-time synthesis of realistic sound effects for interactive simulations (e.g., games) and animation. These sound effects are produced automatically, from 3D models using dynamic simulation and user interaction. We develop algorithms that are efficient, physically-based, and can be controlled by users in natural ways. We develop effective techniques for producing high quality continuous contact sounds from dynamic simulations running at video rates which are slow ...

Keywords: animation systems, computer games, head mounted displays, multimedia, physically based animation, physically based modeling, sound visualization, virtual reality

13 Modeling of seismic wave propagation at the scale of the Earth on a large Beowulf
Dimitri Komatitsch, Jeroen Tromp
November 2001 **Proceedings of the 2001 ACM/IEEE conference on Supercomputing (CDROM)**

Full text available: pdf(5.17 MB) Additional Information: full citation, abstract, references, index terms

We use a parallel spectral-element method to simulate the propagation of seismic waves generated by earthquakes in the entire 3-D Earth. The method is implemented using MPI on a large PC cluster (Beowulf) with 151 processors and 76 Gb of RAM. It is based upon a weak formulation of the equations of motion and combines the flexibility of a finite-element method with the accuracy of a pseudospectral method. The finite-element mesh honors all discontinuities in the Earth velocity model. To maintain ...

14 Object-based image editing
William A. Barrett, Alan S. Cheney
July 2002 **ACM Transactions on Graphics (TOG) , Proceedings of the 29th annual conference on Computer graphics and interactive techniques**, Volume 21 Issue 3

Full text available: pdf(18.90 MB) Additional Information: full citation, abstract, references, citings, index terms

We introduce Object-Based Image Editing (OBIE) for real-time animation and manipulation of static digital photographs. Individual image objects (such as an arm or nose, Figure 1) are selected, scaled, stretched, bent, warped or even deleted (with automatic *hole filling*) - *at the object, rather than the pixel level* - using simple gesture motions with a mouse. OBIE gives the user direct, local control over object shape, size, and placement while dramatically reducing the time require ...

Keywords: animation, image editing, image warping, image-based rendering, texture synthesis

15 Visualization methods and simulation steering for a 3D turbulence model of Lake Erie
Robert Marshall, Jill Kempf, Scott Dyer, Chieh-Cheng Yen
February 1990 **ACM SIGGRAPH Computer Graphics , Proceedings of the 1990 symposium on Interactive 3D graphics**, Volume 24 Issue 2

Full text available: pdf(1.27 MB) Additional Information: full citation, abstract, citings, index terms

A computational model of Lake Erie serves as a framework for a study of visualization techniques and display methods. Various display methods are used to examine the 3D data. The methods use primitive representations of polygons, volumes, lines and particles. The display methods also incorporate stereo imagery and animation. Three techniques of

integrating the control of the computationl model and the display of images are discussed. These visualization techniques are post-processing, tracking a ...

16 Reconstructing curved surfaces from specular reflection patterns using spline surface fitting of normals

Mark A. Halstead, Brain A. Barsky, Stanley A. Klein, Robert B. Mandell

August 1996 **Proceedings of the 23rd annual conference on Computer graphics and interactive techniques**

Full text available: pdf(511.46 KB) Additional Information: full citation, references, citings, index terms

Keywords: corneal modeling, normal fitting, photogrammetry, surface reconstruction, videokeratography

17 Application of Parallel Processing to Numerical Weather Prediction

A. B. Carroll, R. T. Wetherald

July 1967 **Journal of the ACM (JACM)**, Volume 14 Issue 3

Full text available: pdf(1.55 MB) Additional Information: full citation, abstract, references, citings, index terms

The purpose of this study is to illustrate the application of a parallel network processing computing system to an important class of problems in hydrodynamics. The computing system selected for this study is a prototype of the SOLOMON parallel processing system (cited as SOLOMON II) which was developed at the Westinghouse Defense and Space Center, Baltimore, Maryland. Emphasis is placed on the problem of numerical weather prediction mainly because of the large data storage and m ...

18 Experiments with an ocean circulation model on CEDAR

L. DeRose, K. Gallivan, E. Gallopoulos

August 1992 **Proceedings of the 6th international conference on Supercomputing**

Full text available: pdf(1.41 MB) Additional Information: full citation, abstract, references, index terms

We present the design of the GFDL ocean circulation model as adapted for simulations of the Mediterranean basis for the Cedar multicluster architecture. The model simulates the basic aspects of large-scale, baroclinic ocean circulation, including treatment of irregular bottom topography. The data and computational mapping strategies and their effect on the design are discussed. The code was parametrized to offer several choices for data partitionings of the computational domain, for placeme ...

19 A microcomputer stochastic simulation model of seed dispersion of Melaleuca quinquenervia

Peter B. Schroeder, Joan A. Browder

January 1980 **Proceedings of the 13th annual symposium on Simulation**

Full text available: pdf(793.11 KB) Additional Information: full citation, abstract, references, index terms

A model simulates the pattern of wind-driven Melaleuca seed dispersion under normal south Florida weather conditions and a hurricane situation. Major factors determining the dispersion pattern are seed terminal velocity, height of release, wind speed, mechanical turbulence, and conventional forces. Simulation results are compared to field measurements. The model was developed in a version of Microsoft BASIC on a low-cost microcomputer.

20 Computational Approaches to Image Understanding

Michael Brady

January 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 1

Full text available: pdf(10.04 MB) Additional Information: full citation, references, citings, index terms

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☐	L9	L8 and displacement	23
☐	L8	L7 and line	35
☐	L7	L6 and boundar$	37
☐	L6	L5 and segment?	71
☐	L5	L4 and point?	281
☐	L4	L3 and thin film	493
☐	L3	simulat$ and topography and semiconductor	1343
☐	L2	simulat$ and topography and boundary point?	6
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Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 20010025233 A1

L1: Entry 1 of 1 File: PGPB Sep 27, 2001

PGPUB-DOCUMENT-NUMBER: 20010025233
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010025233 A1

TITLE: Method of simulation of production process of semiconductor device and simulator thereof

PUBLICATION-DATE: September 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kusunoki, Naoki	Tokyo		JP	
Aoki, Nobuoshi	Kanagawa-ken		JP	
Amakawa, Hirotaka	Kanagawa-ken		JP	

US-CL-CURRENT: 703/14; 703/2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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Term	Documents
KUSUNOKI	1073
KUSUNOKIS	0
TOPOGRAPHY	25877
TOPOGRAPHIES	2072
TOPOGRAPHYS	1
SIMULAT$	0
SIMULAT	23
SIMULATA	6
SIMULATABILITY	3
SIMULATABLE	141
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☐ 1. Document ID: US 20050085257 A1

L2: Entry 1 of 6 File: PGPB Apr 21, 2005

PGPUB-DOCUMENT-NUMBER: 20050085257
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050085257 A1

TITLE: Mobile emergency notification system

PUBLICATION-DATE: April 21, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Laird, Mark D.	Milford	MA	US	
Glier, Michael	Jamestown	RI	US	

US-CL-CURRENT: 455/550.1; 455/404.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 2. Document ID: US 20050075116 A1

L2: Entry 2 of 6 File: PGPB Apr 7, 2005

PGPUB-DOCUMENT-NUMBER: 20050075116
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050075116 A1

TITLE: Wireless virtual campus escort system

PUBLICATION-DATE: April 7, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Laird, Mark D.	Milford	MA	US	
Glier, Michael	Jamestown	RI	US	

US-CL-CURRENT: 455/456.3; 455/404.1, 455/414.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 3. Document ID: US 20020050988 A1

L2: Entry 3 of 6 File: PGPB May 2, 2002

PGPUB-DOCUMENT-NUMBER: 20020050988
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020050988 A1

TITLE: System and method of three-dimensional image capture and modeling

PUBLICATION-DATE: May 2, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Petrov, Michael	Princeton	NJ	US	
Migdal, Alexander	Princeton	NJ	US	
Lebedev, Alexei	New York	NY	US	
Shelyekhova, Veronika	Nutley	NJ	US	
Polonskiy, Leonid	Hamilton	NJ	US	
Abadjev, Vadim	Princeton	NJ	US	

US-CL-CURRENT: 345/418

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 4. Document ID: US 20010025233 A1

L2: Entry 4 of 6 File: PGPB Sep 27, 2001

PGPUB-DOCUMENT-NUMBER: 20010025233
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010025233 A1

TITLE: Method of simulation of production process of semiconductor device and simulator thereof

PUBLICATION-DATE: September 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kusunoki, Naoki	Tokyo		JP	
Aoki, Nobuoshi	Kanagawa-ken		JP	
Amakawa, Hirotaka	Kanagawa-ken		JP	

US-CL-CURRENT: 703/14; 703/2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 5. Document ID: US 6567087 B1

L2: Entry 5 of 6 File: USPT May 20, 2003

US-PAT-NO: 6567087
DOCUMENT-IDENTIFIER: US 6567087 B1

TITLE: Method to create a high resolution database

DATE-ISSUED: May 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Reid; Alexander A.	Washington	MI		

US-CL-CURRENT: 345/428; 345/619, 703/2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

☐ 6. Document ID: US 5675216 A

L2: Entry 6 of 6 File: USPT Oct 7, 1997

US-PAT-NO: 5675216
DOCUMENT-IDENTIFIER: US 5675216 A

TITLE: Amorphic diamond film flat field emission cathode

DATE-ISSUED: October 7, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kumar; Nalin	Austin	TX		
Xie; Chenggang	Cedar Park	TX		

US-CL-CURRENT: 313/495; 313/491

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

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Term	Documents
TOPOGRAPHY	25877
TOPOGRAPHIES	2072
TOPOGRAPHYS	1
BOUNDARY	229956
BOUNDARIES	130463

Hit List

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

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☐ 1. Document ID: US 20050068639 A1

L10: Entry 1 of 23 File: PGPB Mar 31, 2005

PGPUB-DOCUMENT-NUMBER: 20050068639
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050068639 A1

TITLE: Contact printing using a magnified mask image

PUBLICATION-DATE: March 31, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Pierrat, Christophe	Santa Clara	CA	US	
Wong, Alfred Kwok-Kit	Brookline	MA	US	

US-CL-CURRENT: 359/754

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 2. Document ID: US 20050052498 A1

L10: Entry 2 of 23 File: PGPB Mar 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050052498
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050052498 A1

TITLE: Tapered multi-layer thermal actuator and method of operating same

PUBLICATION-DATE: March 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Delametter, Christopher N.	Rochester	NY	US	
Furlani, Edward P.	Lancaster	NY	US	
Lebens, John A.	Rush	NY	US	
Trauernicht, David P.	Rochester	NY	US	
Cabal, Antonio	Webster	NY	US	
Ross, David S.	Fairport	NY	US	
Pond, Stephen F.	Oakton	VA	US	

US-CL-CURRENT: 347/56

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 3. Document ID: US 20050052496 A1

L10: Entry 3 of 23 File: PGPB Mar 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050052496
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050052496 A1

TITLE: Tapered multi-layer thermal actuator and method of operating same

PUBLICATION-DATE: March 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Delametter, Christopher N.	Rochester	NY	US	
Furlani, Edward P.	Lancaster	NY	US	
Lebens, John A.	Rush	NY	US	
Trauernicht, David P.	Rochester	NY	US	
Cabal, Antonio	Webster	NY	US	
Ross, David S.	Fairport	NY	US	
Pond, Stephen F.	Oakton	VA	US	

US-CL-CURRENT: 347/54; 310/307

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 4. Document ID: US 20050007567 A1

L10: Entry 4 of 23 File: PGPB Jan 13, 2005

PGPUB-DOCUMENT-NUMBER: 20050007567
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050007567 A1

TITLE: Contact or proximity printing using a magnified mask image

PUBLICATION-DATE: January 13, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Pierrat, Christophe	Santa Clara	CA	US	
Wong, Alfred Kwok-Kit	Brookline	MA	US	

US-CL-CURRENT: 355/18; 355/77, 430/396

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 5. Document ID: US 20040090495 A1

L10: Entry 5 of 23 File: PGPB May 13, 2004

PGPUB-DOCUMENT-NUMBER: 20040090495
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040090495 A1

TITLE: Tapered multi-layer thermal actuator and method of operating same

PUBLICATION-DATE: May 13, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Delametter, Christopher N.	Rochester	NY	US	
Furlani, Edward P.	Lancaster	NY	US	
Lebens, John A.	Rush	NY	US	
Trauernicht, David P.	Rochester	NY	US	
Cabal, Antonio	Webster	NY	US	
Ross, David S.	Fairport	NY	US	
Pond, Stephen F.	Oakton	VA	US	

US-CL-CURRENT: 347/56

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 6. Document ID: US 20030059152 A1

L10: Entry 6 of 23 File: PGPB Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030059152
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030059152 A1

TITLE: Interferometer and method of making same

PUBLICATION-DATE: March 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Delwala, Shrenik	Orefield	PA	US	

US-CL-CURRENT: 385/14; 257/E27.112

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 7. Document ID: US 20030003738 A1

L10: Entry 7 of 23 File: PGPB Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030003738
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030003738 A1

TITLE: Polyloaded optical waveguide device in combination with optical coupler, and method for making same

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Delwala, Shrenik	Orefield	PA	US	

US-CL-CURRENT: 438/689; 257/E27.112

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 8. Document ID: US 20030003737 A1

L10: Entry 8 of 23 File: PGPB Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030003737
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030003737 A1

TITLE: Arrayed waveguide grating, and method of making same

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Delwala, Shrenik	Orefield	PA	US	

US-CL-CURRENT: 438/689; 257/E27.112

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 9. Document ID: US 20030003736 A1

L10: Entry 9 of 23 File: PGPB Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030003736
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030003736 A1

TITLE: Polyloaded optical waveguide devices and methods for making same

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Delwala, Shrenik	Orefield	PA	US	

US-CL-CURRENT: 438/689; 257/E27.112

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Drawi De

☐ 10. Document ID: US 20030003735 A1

L10: Entry 10 of 23 File: PGPB Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030003735
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030003735 A1

TITLE: Optical waveguide circuit including multiple passive optical waveguide devices, and method of making same

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Deliwala, Shrenik	Orefield	PA	US	

US-CL-CURRENT: 438/689; 257/E27.112

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Drawi De

☐ 11. Document ID: US 20030003734 A1

L10: Entry 11 of 23 File: PGPB Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030003734
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030003734 A1

TITLE: Waveguide coupler and method for making same

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Delwala, Shrenik	Orefield	PA	US	

US-CL-CURRENT: 438/689; 257/E27.112

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Drawi De

☐ 12. Document ID: US 20020172464 A1

L10: Entry 12 of 23 File: PGPB Nov 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020172464
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020172464 A1

TITLE: Optical waveguide circuit including passive optical waveguide device combined with active optical waveguide device, and method for making same

PUBLICATION-DATE: November 21, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Delwala, Shrenik	Orefield	PA	US	

US-CL-CURRENT: 385/40; 257/E27.112, 385/14, 385/28, 385/39, 385/50

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 13. Document ID: US 20010025233 A1

L10: Entry 13 of 23 File: PGPB Sep 27, 2001

PGPUB-DOCUMENT-NUMBER: 20010025233
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010025233 A1

TITLE: Method of simulation of production process of semiconductor device and simulator thereof

PUBLICATION-DATE: September 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kusunoki, Naoki	Tokyo		JP	
Aoki, Nobuoshi	Kanagawa-ken		JP	
Amakawa, Hirotaka	Kanagawa-ken		JP	

US-CL-CURRENT: 703/14; 703/2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 14. Document ID: US 6898352 B2

L10: Entry 14 of 23 File: USPT May 24, 2005

US-PAT-NO: 6898352

DOCUMENT-IDENTIFIER: US 6898352 B2

TITLE: Optical waveguide circuit including passive optical waveguide device combined with active optical waveguide device, and method for making same

DATE-ISSUED: May 24, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Deliwala; Shrenik	Orefield	PA		

US-CL-CURRENT: 385/40; 385/129, 385/14, 385/50

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De

☐ 15. Document ID: US 6891985 B2

L10: Entry 15 of 23 File: USPT May 10, 2005

US-PAT-NO: 6891985
DOCUMENT-IDENTIFIER: US 6891985 B2

TITLE: Polyloaded optical waveguide devices and methods for making same

DATE-ISSUED: May 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Delwala; Shrenik	Orefield	PA		

US-CL-CURRENT: 385/14; 385/129, 385/131, 385/141

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De

☐ 16. Document ID: US 6889177 B1

L10: Entry 16 of 23 File: USPT May 3, 2005

US-PAT-NO: 6889177
DOCUMENT-IDENTIFIER: US 6889177 B1

TITLE: Large area pattern erosion simulator

DATE-ISSUED: May 3, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Runnels; Scott R.	San Antonio	TX		

US-CL-CURRENT: 703/2; 257/E21.23, 438/692

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De

☐ 17. Document ID: US 6842546 B2

L10: Entry 17 of 23 File: USPT Jan 11, 2005

US-PAT-NO: 6842546
DOCUMENT-IDENTIFIER: US 6842546 B2

TITLE: Polyloaded optical waveguide device in combination with optical coupler, and method for making same

DATE-ISSUED: January 11, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Deliwala; Shrenik	Orefield	PA		

US-CL-CURRENT: 385/14; 257/E27.112, 385/129, 385/147, 438/639

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De

☐ 18. Document ID: US 6817702 B2

L10: Entry 18 of 23 File: USPT Nov 16, 2004

US-PAT-NO: 6817702
DOCUMENT-IDENTIFIER: US 6817702 B2

TITLE: Tapered multi-layer thermal actuator and method of operating same

DATE-ISSUED: November 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Delametter; Christopher N.	Rochester	NY		
Furlani; Edward P.	Lancaster	NY		
Lebens; John A.	Rush	NY		
Trauernicht; David P.	Rochester	NY		
Cabal; Antonio	Webster	NY		
Ross; David S.	Fairport	NY		
Pond; Stephen F.	Oakton	VA		

US-CL-CURRENT: 347/56; 347/54

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De

☐ 19. Document ID: US 6760498 B2

L10: Entry 19 of 23 File: USPT Jul 6, 2004

US-PAT-NO: 6760498
DOCUMENT-IDENTIFIER: US 6760498 B2

TITLE: Arrayed waveguide grating, and method of making same

DATE-ISSUED: July 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Delwala; Shrenik	Orefield	PA		

US-CL-CURRENT: 385/14; 257/E27.112, 385/10

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De

☐ 20. Document ID: US 6738546 B2

L10: Entry 20 of 23 File: USPT May 18, 2004

US-PAT-NO: 6738546
DOCUMENT-IDENTIFIER: US 6738546 B2

TITLE: Optical waveguide circuit including multiple passive optical waveguide devices, and method of making same

DATE-ISSUED: May 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Deliwala; Shrenik	Orefield	PA		

US-CL-CURRENT: 385/50; 257/E27.112, 385/129

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De

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Term	Documents
SURFACE	2608231
SURFACES	1265675
(9 AND SURFACE).PGPB,USPT.	23
(L9 AND SURFACE).PGPB,USPT.	23

Hit List

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Search Results - Record(s) 21 through 23 of 23 returned.

☐ 21. Document ID: US 6690863 B2

L10: Entry 21 of 23 File: USPT Feb 10, 2004

US-PAT-NO: 6690863
DOCUMENT-IDENTIFIER: US 6690863 B2

TITLE: Waveguide coupler and method for making same

DATE-ISSUED: February 10, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Deliwala; Shrenik	Orefield	PA		

US-CL-CURRENT: 385/50; 257/E27.112, 385/129

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw. De

☐ 22. Document ID: US 6658173 B2

L10: Entry 22 of 23 File: USPT Dec 2, 2003

US-PAT-NO: 6658173
DOCUMENT-IDENTIFIER: US 6658173 B2

TITLE: Interferometer and method of making same

DATE-ISSUED: December 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Delwala; Shrenik	Orefield	PA		

US-CL-CURRENT: 385/15; 257/E27.112, 385/147, 385/40

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw. De

☐ 23. Document ID: US 6498685 B1

L10: Entry 23 of 23 File: USPT Dec 24, 2002

US-PAT-NO: 6498685
DOCUMENT-IDENTIFIER: US 6498685 B1
** See image for Certificate of Correction **

TITLE: Maskless, microlens EUV lithography system

DATE-ISSUED: December 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Johnson; Kenneth C.	Santa Clara	CA	95051	

US-CL-CURRENT: 359/626; 347/241

Term	Documents
SURFACE	2608231
SURFACES	1265675
(9 AND SURFACE).PGPB,USPT.	23
(L9 AND SURFACE).PGPB,USPT.	23